

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	4110	347/86.ccls. or 347/85.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/08/29 15:07
S3	4329680	seal\$3 or cork\$3 or stop\$3 or gasket	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/11/29 12:57
S4	955476	v\$shap\$3 or pointed or vertex	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/01 13:12
S5	17	S1 (S3 with S4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/11/29 10:48
S6	4707155	seal\$3 or cork\$3 or stop\$3 or gasket or plug	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/11/29 10:56
S7	6961102	v\$shap\$3 or pointed or vertex or v or point	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/11/29 10:57
S8	1363	S1 S6 S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/11/29 10:58
S9	281	S1 (S6 with S7)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/11/29 10:59

## EAST Search History

S10	1	S1 seal near non\$porous with raised	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/08/31 13:14
S11	3	S1 seal near non\$porous	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/11/29 11:00
S12	0	("2005/0174400").URPN.	USPAT	AND	OFF	2006/08/31 13:15
S13	2449	S1 S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/11/29 12:59
S14	1022	S1 S6 and cap	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/11/29 13:14
S15	27691	S2 with S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/11/29 13:14
S16	28505	S3 with S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/11/29 13:15
S17	60	S3 with S4 and "347"/\$3.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/11/29 13:20
S18	2	"20020060713"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/11/29 13:21

## EAST Search History

S19	2	"6672704"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/11/29 13:21
S20	4144	347/86.ccls. or 347/85.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/30 08:02
S21	4144	S20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/30 08:02
S22	361	rib\$1 with cap\$3 with outlet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/30 08:02
S23	4	S20 and S22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/01/13 09:39
S24	0	2004/0036749	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/01/13 08:58
S25	2	"20040036749"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/01/13 08:59
S26	11	"6164769"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/01/13 09:08

## EAST Search History

S27	2	"20020191059"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/01/13 09:17
S28	3	"6695757"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/01/13 09:46
S29	2	"20030081085"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/01/13 09:46
S30	1	10/774580	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/18 08:51
S31	1841	"347"/\$3 and (seal\$3 or cork\$3 or stop\$4 or gasket) same (compress\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/08/29 15:12
S32	1407	"347"/\$3 and (seal\$3 or cork\$3 or stop\$4 or gasket) same (compress\$4) not silverbrook	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/07 11:36
S34	1394	"347"/\$3 and (seal\$3 or cork\$3 or stop\$4) same (compress\$4) not silverbrook	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/08/31 14:05
S35	251	(seal\$3 with compress\$3) same (outlet or opening) and "347"/\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/05 12:06

## EAST Search History

S36	1	10/774580	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/05 12:05
S37	218	(seal\$3 with compress\$3) same (outlet or opening) and "347"/\$3 not silverbrook	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/05 13:04
S38	2	10/186872	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/05 12:35
S39	0	10/186872 and (seal\$3 and compress\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/05 12:36
S40	0	10/186872 and (compress\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/05 12:36
S41	5	09/930517	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/05 13:04
S42	149	"347"/\$3 and (seal\$3 or cork\$3 or stop\$4 or gasket) same (compress\$4) same (protrusion or protrud\$3) not silverbrook	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/07 11:46
S45	178	"347"/\$3 and (seal\$3 or cork\$3 or stop\$4 or gasket) same (compress\$4) same (rais\$3 or protrusion or protrud\$3) not silverbrook	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/07 12:09

## EAST Search History

S46	29	S45 not S42	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/07 12:07
S47	345	(seal\$3 or cork\$3 or stop\$4 or gasket) same (compress\$4) same (rais\$3 or protrusion or protrud\$3) same (container or cartridge or head or printhead) same ink not silverbrook	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/07 12:10
S48	351	(seal\$3 or cork\$3 or stop\$4 or gasket) same (compress\$4) same (rais\$3 or protrusion or protrud\$3) same (container or cartridge or head or printhead) same ink	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/09/07 13:56
S49	2	"347"/\$3 and ((ring) same (porous or non\$porous) same compress\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 14:15
S50	0	"347"/\$3 and ((O adj ring) same (porous or non\$porous) same compress\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 14:16
S51	0	"347"/\$3 and ((washer) same (porous or non\$porous) same compress\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 14:16
S52	68	"347"/\$3 and ((seal\$3 or gasket or cork\$3) same (porous or non\$porous) same compress\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 14:19
S53	19	"347"/\$3 and ((seal\$3 or gasket or cork\$3) same (impermeable or non\$porous) same compress\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 14:27

## EAST Search History

S54	878	"347"/\$3 and ((seal\$3 or gasket or cork\$3) with compress\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 14:27
S55	19	"347"/\$3 and ((seal\$3 or gasket or cork\$3) with compress\$3) and ((seal\$3 or gasket or cork\$3) with (non\$porous or impermeable))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 14:32
S56	0	"347"/\$3 and ((o\$1ring) same (porous or non\$porous) same compress\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 14:33
S57	6	("6679253" "5631682" "5819798"). pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 14:35
S58	6	("6676253" "5631682" "5819798"). pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 14:40
S59	1	10/774580	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 14:40
S60	1	(o\$1ring) same (impermeable or non\$porous) same (compress\$4) same (raised with portion)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/07 14:52
S61	96	jones.in. near bruce	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/07 15:00

## EAST Search History

S62	0	jones.in. near bruce same TN	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/07 14:55
S63	4785	washer same (v\$1shape\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/07 15:00
S64	5600	(washer or o\$1ring) same (v\$1shape\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/07 15:08
S65	11	(washer or o\$1ring) same (v\$1shape\$1) same (non\$porous or impermeable)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/07 15:06
S66	2	"5188107".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/07 15:07
S67	226	(washer or o\$1ring) same (impermeable or non\$porous) same (point\$3 or v\$1shape\$1 or raised)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/07 15:13
S68	91	(washer or o\$1ring) same (impermeable or non\$porous) same (point\$3 or v\$1shape\$1 or raised) same (compress\$3 or pliable or movable or bend\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/07 15:21
S69	38136	(washer or o\$1ring) same (point\$3 or v\$1shape\$1 or raised) same (compress\$3 or pliable or movable or bend\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/08 08:19



## EAST Search History

S70	55093	(washer\$1 or o\$1ring\$1 or grommet\$1 or gasket\$1) same (point\$3 or v\$1shape\$1 or vertex) same (compress\$3 or pliable or movable or bend\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/08 08:20
S71	191	(washer\$1 or o\$1ring\$1 or grommet\$1 or gasket\$1) same (point\$3 or v\$1shape\$1 or vertex) same (compress\$3 or pliable or movable or bend\$3) same (impermeable or non\$porous)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/08 08:21
S72	6905	rubber with grommet\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/08 08:31
S73	1609	(rubber with grommet\$1) same (vertex or pointed or point\$3 or v or v\$1shape\$1 or rais\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/08 09:00
S74	1	10/774580	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 12:36
S75	3409	(277/626,643,644,649,612,647, 648).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/12 15:26
S76	174	S75 and (impermeable or non\$porous or leak\$proof or air\$tight) same (seal\$3 or gasket or cork\$3 or stop\$3 or o\$1ring or grommet)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/12 15:02
S78	1068	S77 not S76	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/12 14:34

## EAST Search History

S79	1182	S75 and (v\$shap\$2 or apex or vertex or point\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/12 14:34
S80	465	S75 and ((v\$shap\$2 or apex or vertex or point\$3)) same (seal\$3 or gasket or cork\$3 or stop\$3 or o\$1ring or grommet)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/12 15:04
S81	1042	S75 and ((v\$shap\$2 or apex or vertex or point\$3)) same (seal\$3 or gasket or cork\$3 or stop\$3 or o\$1ring or grommet)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/12 15:02
S83	30680	(impermeable or non\$porous) same (seal\$3 or cork\$3 or gasket or o\$1ring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/12 15:21
S84	4528	(347/85,86).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/12 15:24
S85	95	S83 and S84	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/12 15:27
S86	2	"20040183870"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/12 15:29
S87	1	10/768412	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/12 15:30

## EAST Search History

S88	5	10/632728	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/13 08:46
S89	0	10/632728 and (porous or impermeable or non\$porous)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/12 15:30
S90	2	"20040021751"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/13 12:14
S91	1	10/774580	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/13 09:11
S92	1167	seal with ((impermeable with (gas and liquid)) or non\$porous)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/13 09:55
S93	9	seal with ((impermeable with (gas and liquid)) or non\$porous) and "347"/\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/13 09:57
S94	2	"20030081085"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/13 12:14
S95	2	"20040021751"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/18 08:09

## EAST Search History

S96	2	"20020191059"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/09/18 08:51
S97	0	"200400021751" "20020191059"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2007/02/10 12:48
S98	2	"200400021751" "20020191059"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/10 12:50
S99	4	"20040021751" "20020191059"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/10 13:14
S10 0	6	"20040021751" "20020191059" "20030081085"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/10 13:18
S10 1	1	10/774580	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/10 13:18
S10 2	1987	"347"/\$3 and rib	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/10 13:25
S10 3	625	(347/84 or 347/85 or 347/86) and (rib or ribbing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/10 13:32

## EAST Search History

S10 4	188	(347/84 or 347/85 or 347/86) and (rib or ribbing) same (seal\$4 or membrane or cork\$3 or gasket or plug\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/10 13:33
S10 5	7	("20040021751" "20020191059" "20030128257").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 08:46
S10 6	1	("20040021751" "20020191059" "20030128257").pn. and compres\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 10:42
S10 7	0	("20040021751" "20020191059" "20030128257").pn. and weld	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 10:42
S10 8	2	("20040021751" "20020191059" "20030128257").pn. and weld\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 10:42
S10 9	2	"20020130473".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2007/10/18 13:56
S11 0	2	"20020191059".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2007/10/18 14:38
S11 1	1	10/774580	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2007/10/18 14:38